BEPAREMENT OF MINES

RB 50/29

RESULTS OF DRILLING FOR ROAD METAL

SECTION 201 AND RESERVE. HUNDRED MANNAHAPIE

(HIGHWAYS AND LOCAL GOVERNMENT DEPARTMENT)

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CONTRACTS

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Rept. Bk. Ho. 50/29 G.S. Ho. 1610 D.M. 1518/52

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RESULTS OF DRILLING FOR ROAD METAL REGITOR 201 AND RESERVE. HUNDERD MANHANARIE (HIGHWAYS AND LOCAL GOVERNMENT DEPARTMENT)

ABSTRACT

Ironstone on Section 201, Sundred Mannanarie, has been drilled and found to be only 10 feet thick; reserves are thus very low on this section. Limestone drilled to a depth of 50 feet on the neighbouring Stone Reserve gave a very poor core recovery, a reflection on its persua, brecciated nature. Heither deposit is a desirable source of road metal, but the limestone may prove to be satisfactory if laboratory tests are made.

INTRODUCTION

In a previous unpublished report (Perbos B.G., 1959).

Ironstone and limestone for road metal, Section 201 and Reserve,

Hundred Hammanarie, Rept. Bk. No. 49/117) ironstone and forruginous

quartaite bedies on Section 201 and folded limestone on a nearby

Stone Reserve, Hd. Hammanarie, were described and indicated as

being possibly suitable for road metal.

The deposits have since been drilled vertically by dismond drill; this report presents the drilling results.

DRILLING PROULTS

(a) Section 201

1 6631- 185? 21 fill 60.

Repth		Mickness	Description
0 ₂ -	2 *	Şa	Yellow, soft, ciliceous fromstone.
28 -	010#	917#	Bork, hard, at Hosena tenactors by

0.67

Dark, hard, siliceous ironstone breccia: red-brewn ironstone matrix with very pale grey, irregular quarts fregments, up to 2" in diameter. (Very good recovery).

1616 - 35 No 12 year fragments of persus medium-

The drill-site was an ironatone capping at the top of a hill (Station Q of the previous report) and the results thus indicate that the ironatone is superficial only.

(b) Stone Reserve 6631-581? 1911/60.

The drill site was Station of the previous report.

Depth		Taloknesa	& Roomyery	Peacription
On On	- 3'	5 *	100	Altered yellow-brown lime- stone, mainly fine-grained but in parts recrystallized, with small cavities up to in diameter.
3'6"	- 6*	3'	v. lev	Only a few fragments of limestone similar to the above were recovered.
6'	- 7'	1'	100	Idmestone broccie (comented fragments up to i") and modium-grained limestone.
7*	- 9*9 "	2*9#	1.00	Fine to medium-grained lime- stone with some black (? manganese) staining on irregular subvertical joints
8*9**	- 16'	6*3*	y 0	Grey and brown limestone breccia (fragments up to l' diameter) with small cavities a little unbrecciated fine- grained grey limestone.
16,	- 19'	3'	0	•
19*	- 20'9"	119ª	w. low	Two small fragments of porou
20*9"	- 23'	213"	45	Green fine-grained lime- stone.
23,	- 27'9"	#*9 "	45	Medium-grained limestone breecia in parts, perous in parts with rectystallised calcite up to ‡" diameter; creem fine-grained limestone
27*9"	- 35'	5*3"	40	Medium-grained limestone breecia; a little fine- grained limestone.
33*	- 38'6"	5'6"	15	As above, with porous lime- stene
38' 6"	- 43*9"	5*3"	20	As above, with some recrystallisation.
43'9"	- 50'	61 3"	60	Oream, fine-grained, porous telesse limestone.

The overall limestone recovery is only 34%, a reflection on the soft brecolated nature of the rock itself.

COMCLUMIONS.

Ironatone reserves on Section 201 are probably very small. in view of the superficial nature of the deposit as indicated by drilling. The limestone from the Stone Reserve is a weak, porous, breceiated rock which will probably need careful testing for strength before any decision is made on its use.

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